

	U	1	Document ID	Issue Date	Pages	Title	Current OR	Current ID	Retrieval	Inventor	S	C	P	3	
1	F	F	US 20050018349	20050127	17	Recording head compensation for tape s	360/129			Eaton, James Howard	F	F	F	F	F
2	F	F	US 20040178302	20040916		Irregular surfaced tape guide	242/615.4			Bloomquist, Darrel R. et al.	F	F	F	F	F
3	F	F	US 20030201356	20031030		Tape reel assembly with self-adjusting flange f	242/348			Alexander, Jerry L.	F	F	F	F	F
4	F	F	US 20030089819	20030515		Irregular surfaced tape guide	242/615.3	242/346; 242/615.4		Bloomquist, Darrel R. et al.	F	F	F	F	F
5	F	F	US 20020163752	20021107		Reading tape with transverse distortion	360/76	360/63; 360/77.12		Peterson, David L.	F	F	F	F	F
6	F	F	US 20020085304	20020704		Using component position error signals	360/77.12	360/31		Wang, Linus Tsung-Shu	F	F	F	F	F
7	F	F	US 20020021514	20020221		Tape drive and servo system stabilization me	360/27	360/31; 360/77.12		Bui, Nhan Xuan et al.	F	F	F	F	F
8	F	F	US 6781784	20040824		Reading tape with transverse distortion	360/76	360/63; 360/77.12		Peterson, David L.	F	F	F	F	F
9	F	F	US 6739538	20040525		Tape reel assembly with self-adjusting flange f	242/348	242/614		Alexander, Jerry L.	F	F	F	F	F
10	F	F	US 6710954	20040323		Tape drive and servo system stabilization me	360/31	360/65; 360/77.12		Bui, Nhan Xuan et al.	F	F	F	F	F
11	F	F	US 6690535	20040210		Using component position error signals	360/77.12	360/25; 360/31		Wang, Linus Tsung-Shu	F	F	F	F	F
12	F	F	US 6687070	20040203		Method and apparatus for reading down level	360/53	360/31		Peterson, David L. et al.	F	F	F	F	F
13	F	F	US 6682598	20040127		Apparatus for casting and drying ceramic tape	118/58	118/61; 118/64		Steinmueller, Paul H. et al.	F	F	F	F	F
14	F	F	US 6322015	20011127		Method of tape attachment to a tape ca	242/341	360/132; 360/134		Trabert, Steven G.	F	F	F	F	F
15	F	F	US 6254708	20010703		Shaped multilayer ceramic transducers and	156/89.12	156/196; 156/258		Cappabianca, David P.	F	F	F	F	F
16	F	F	US 6188535	20010213		Arcuate scanning tape drive with a servo mech	360/70	360/75; 360/77.12		Lemke, James U. et al.	F	F	F	F	F
17	F	F	US 6097135	20000801		Shaped multilayer ceramic transducers and	310/367	310/371		Cappabianca, David P.	F	F	F	F	F
18	F	F	US 6075678	20000613		Pivoting lever cam guide tape head positio	360/291	360/261.3		Saliba, George A.	F	F	F	F	F
19	F	F	US 6064538	20000516		Biasing/erasing oscillation circuit for	360/66			Higuchii, Yoshio	F	F	F	F	F
20	F	F	US 5992783	19991130		Method of tape	242/341	242/348; 242/132		Trabert, Steven G.	F	F	F	F	F

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		Document ID	Issue Date	Pages	Title	Current OR	Current XR	Retrieval	Inventor	S	C	P	
21	F	US 5960447	19990928		Word tagging and editing system for speech	715/500	704/235;		Holt; Douglas et al.				
22	F	US 5872672	19990216		System and method for monitoring and analyzing	360/77.12	704/270;		Chliwnyj; Alex et al.				
23	F	US 5828514	19981027		Servo error detection in a noise environment	360/77.12	360/53;		Chliwnyj; Alex et al.				
24	F	US 5823455	19981020		Belt-driven data storage device with core	242/340	360/69;		Hable; Mary R. et al.				
25	F	US 5765772	19980616		Data cartridge corner roller with stepped horn	242/342	242/352.4;		Bay; Randy S. et al.				
26	F	US 5669567	19970923		Brake mechanism for drum type magnetic recording	242/355	242/355.1;		Chiu; Ming-Jer				
27	F	US 5639042	19970617		Brake mechanism for magnetic drum tape machine	242/354	242/356;		Chiu; Ming-Jer et al.				
28	F	US 5563747	19961008		Method for correcting the counter distortions	360/74.2	242/355.1;		Bae; Tae S.				
29	F	US 5459619	19951017		Method of reading recording data and a re	360/47	242/356.5		Colineau; Joseph et al.				
30	F	US 5385315	19950131		Tape-spool retention member	242/586	242/579		Rude; Edward T. et al.				
31	F	US 5365333	19941115		Apparatus for analyzing tracking error in magnetic	356/244	356/32		Wirth; Wayne M. et al.				
32	F	US 5349236	19940920		Reusable fixture for carrier tape	257/701	206/713;		Oshino; Fumio et al.				
33	F	US 5294805	19940315		Method and apparatus for analyzing tracking	250/559.22	257/668;		Izraelev; Valentin M.				
34	F	US 5251844	19931012		Gimbaled compliant guide for tape drivers	242/358	250/559.37;		Albrecht; Thomas R. et al.				
35	F	US 5216556	19930601		Method for optimized tape tension adjustment	360/74.3	226/196.1;		Steinberg;				
36	F	US 5212388	19930518		Method for detecting tracking error in magnetic	250/559.1	242/334.6;		Mitchell R. et al.				
37	F	US 5184228	19930202		Recording circuit for mirror mother tape	386/21	360/71;		Izraelev; Valentin M.				
38	F	US 5164031	19921117		Tape splicing method and apparatus	156/157	348/607;		Kobayashi;				
39	F	US 5114093	19920519		Brake mechanism for reel stands of a tape r	242/355.1	360/15;		Toshiharu et al.				
40	F	US 5113869	19920519		Implantable ambulatory electrocardiogram monit	600/508	156/159;		Matsuyama;				
41	F	US 5050021	19910917		Expanded micro cassette player-recorder	360/95	156/258;		Masayoshi et al.				
42	F	US 4949203	19900814		Tape recorder having an improved cassette mount	360/85	242/422.4;		Kunimaru; Noritaka et al.				
43	F	US 4930028	19900529		Tape recorder	360/85	360/96.3		Kunimaru; Noritaka et al.				
44	F	US 4893198	19900109		Method and apparatus for performing high speed	386/52	360/96.5		Kunimaru; Noritaka et al.				
45	F	US 4781964	19881101		Magnetic recording	428/141	345/473;		Little; Graeme M.				
46	F						352/87;		Mizuno; Chiaki et al.				
47	F						428/694BU;						

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		Document ID	Issue Date	Pages	Title	Current OR	Current XR	Retrieval	Inventor	S	C	P
71	<input checked="" type="checkbox"/>	US 4030685	19770621		Magnetic tape magazine	242/343.2	242/344;		Suzuki; Osamu et al.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
72	<input checked="" type="checkbox"/>	US 4025917	19770524		Simplified time code reader with digital PDM	341/52	242/422.6		DuBrul; James M.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
73	<input checked="" type="checkbox"/>	US 4012793	19770315		Multioriented composite-surface tape	360/130.23	329/312;		Blanding; Douglass L.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
74	<input checked="" type="checkbox"/>	US 4012792	19770315		Magnetic head drum configuration having a	360/130.24	341/53;		Bloom; Richard M.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
75	<input checked="" type="checkbox"/>	US 3991795	19761116		Beadless woven stringer for a spiral slide fast	24/392	242/345.1;		Bainner; David C.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
76	<input checked="" type="checkbox"/>	US 3980207	19760914		Pinch rollers	226/186	226/346;		Maccaferri; Mario	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
77	<input checked="" type="checkbox"/>	US 3947891	19760330		Static magnetic erasing head	360/118	226/191;		Saito; Makoto et al.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
78	<input checked="" type="checkbox"/>	US 3945407	19760323		Multiple filament woven-in slide fastener	139/384B	226/194		Jakob; Horst	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
79	<input checked="" type="checkbox"/>	US 3913856	19751021		Endless tape transporting device	242/327.2	242/325;		Hara; Satoshi et al.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
80	<input checked="" type="checkbox"/>	US 3872368	19750318		Multiplex signal program servo-mechanism	318/567	242/615.1		Friberg; Vincent E. et al.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
81	<input checked="" type="checkbox"/>	US 3871420	19750318		METHOD AND APPARATUS FOR MANUFACTURING SLIDE	139/116.1	318/568.1;		Jakob; Horst	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
82	<input checked="" type="checkbox"/>	US 3825948	19740723		HIGH SPEED THERMAL DUPLICATION OF MAGNETIC	360/16	139/384B;		Hendershot, III; William B. et al.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
83	<input checked="" type="checkbox"/>	US 3777075	19731204		HIGH SPEED THERMAL DUPLICATION OF MAGNETIC	360/17	360/71		Hendershot, III; William B. et al.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
84	<input checked="" type="checkbox"/>	US 3663764	19720516		AUTOMATIC TRACKING CIRCUIT FOR TRANSVERSE	360/70	226/25;		Trost; Allen J. et al.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
85	<input checked="" type="checkbox"/>	US 3663763	19720516		AUTOMATIC TRACKING METHOD AND APPARATUS FO	360/70	242/330;		Trost; Allen J.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
86	<input checked="" type="checkbox"/>	US 3621404	19711116		SIGNAL LEVEL CONTROL INSTRUMENT FOR SOUND TR	324/620	318/717		Sven Hakan Sjogren et al.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
87	<input checked="" type="checkbox"/>	US 3621148	19711116		ELECTROMAGNETIC RECORD HEAD TRANSDUCER AND SYS	360/130.21	324/76.13;		Keith O. Johnson	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
88	<input checked="" type="checkbox"/>	US 3552685	19710105		TAPE TRANSPORT ASSEMBLY	242/343.2	360/25;		Larsen; Raymond B.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
89	<input checked="" type="checkbox"/>	JP 2001110757	20010420		MANUFACTURING METHOD OF SEMICONDUCTOR DEVICE		242/338.1;		TAMON, SUSUMU et al.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
90	<input checked="" type="checkbox"/>	JP 2001053116	20010223		TWO-LAYER TAB TAPE AND MANUFACTURE THEREOF		242/345.1;		TAKAHASHI, GUNICHI et al.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
91	<input checked="" type="checkbox"/>	JP 09061105	19970307		METHOD AND DEVICE FOR MEASURING TAPE DISTORTI				ABE, MAYUMI et al.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
92	<input checked="" type="checkbox"/>	JP 07272359	19951020		MAGNETIC RECORDING/REPRODUCING D				TABUCHI, TOSHIAKI et al.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
93	<input checked="" type="checkbox"/>	JP 06084973	19940325		DIE BONDING TAPE				MURATA, AKIHIKO	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
94	<input checked="" type="checkbox"/>	JP 05334843	19931217		TAPE CASSETTE				NAKAMARU, KAZUKI	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
95	<input checked="" type="checkbox"/>	JP 05041000	19930219		ROTATIONAL HEAD		360/71		SAWADA, HIROYUKI	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

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		Document ID	Issue Date	Pages	Title	Current OR	Current KR	Retrieval	Inventor	S	C	D	S
77	P	US 3947891	19760330		Static magnetic erasing head	360/118			Saito; Makoto et al.				
78	P	US 3945407	19760323		Multiple filament woven-in slide fastener	139/384B	24/392		Jakob; Horst				
79	P	US 3913856	19751021		Endless tape transporting device	242/327.2	242/325; 242/615.1		Hara; Satoshi et al.				
80	P	US 3872368	19750318		Multiplex signal program servo-mechanism	318/567	318/562; 318/568.1		Friberg; Vincent P. et al.				
81	P	US 3871420	19750318		METHOD AND APPARATUS FOR MANUFACTURING SLIDE HIGH SPEED THERMAL	139/116.1	139/118; 139/384B		Jakob; Horst				
82	P	US 3825948	19740723		DUPLICATION OF MAGNETIC HIGH SPEED THERMAL	360/16	360/71		Hendershot, III; William B. et al.				
83	P	US 3777075	19731204		DUPLICATION OF MAGNETIC HIGH SPEED THERMAL	360/17	226/25; 242/330		Hendershot, III; William B. et al.				
84	P	US 3663764	19720516		AUTOMATIC TRACKING CIRCUIT FOR TRANSVERSE	360/70	318/717		Trost; Allen J. et al.				
85	P	US 3663763	19720516		AUTOMATIC TRACKING METHOD AND APPARATUS FOR	360/70	318/717		Trost; Allen J.				
86	P	US 3621404	19711116		SIGNAL LEVEL CONTROL INSTRUMENT FOR SOUND TR	324/620	324/119; 324/76.13		Sven Hakan Sjogren et al.				
87	P	US 3621148	19711116		ELECTROMAGNETIC RECORD HEAD TRANSDUCER AND SYS	360/130.21	360/25; 360/66		Keith O. Johnson				
88	P	US 3552685	19710105		TAPE TRANSPORT ASSEMBLY	242/343.2	242/338.1; 242/345.1		Larsen; Raymond B.				
89	P	JP 2001110757	20010420		MANUFACTURING METHOD OF SEMICONDUCTOR DEVICE				TAMON, SUSUMU et al.				
90	P	JP 2001053116	20010223		TWO-LAYER TAB TAPE AND MANUFACTURE THEREOF				TAKAHASHI, GUNICHI et al.				
91	P	JP 09061105	19970307		METHOD AND DEVICE FOR MEASURING TAPE DISTORTION				ABE, MAYUMI et al.				
92	P	JP 07272359	19951020		MAGNETIC RECORDING/REPRODUCING DIE BONDING TAPE				TABUCHI, TOSHIAKI et al.				
93	P	JP 06084973	19940325		TAPE CASSETTE				MURATA, AKIHIKO				
94	P	JP 05334843	19931217		ROTATIONAL HEAD CYLINDER		360/71		SAWADA, HIROYUKI et al.				
95	P	JP 04044656	19920214		CYLINDER FOR INFORMATION RECORDING A		360/71		TSUJII, CHISATO				
97	P	JP 62065006	19870324		LOOSE TYPE OPTICAL FIBER CABLE		385/112; 385/113		HATANO, SATOSHI et al.				
98	P	JP 57176532	19821029		MAGNETIC RECORDING MEDIUM				TAKAGI, HIROTSUGU				
99	P	EP 491475	19920624		Flexible moving web guide		242/346.2		ALBRECHT, THOMAS ROBERT et al.				
100	P	GB 2117354	19831012		Magnetic tape guiding system		540/338		PFOST, ROBERT FRED et al.				

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L1: (188) tape same track same offset same servo
L2: (18833) (plurality of plural) adj3 track
L3: (24674) (plural or plurality) adj3 head
L4: (0) 1 same 2 same 3
L5: (1599) 2 and 3
L6: (20) 1 and 5

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Query: US:PGUS:USPAT:EPQ:PO:BM:JDS
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#	I	Document ID	Issue Dat	Pages	Title	Current OR	Current XR	Retrieval	Inventor	S	C	P	3	*
1	F	US 20050041317	20050224	24	Storing data to magnetic tape both to o	360/46	360/48;		Jaquette, Glen Alan	C	C	C	C	C
2	F	US 20050030662	20050210		Tape servo information with superimposed data	360/48	360/63; 360/77.12		Bui, Nhan Xuan et al.	C	C	C	C	C
3	F	US 20050030661	20050210		Identification of laterally positioned se	360/48	360/75; 360/77.12		Bui, Nhan Xuan et al.	C	C	C	C	C
4	F	US 20050018349	20050127		Recording head compensation for tape s	360/129			Eaton, James Howard	C	C	C	C	C
5	F	US 20040257694	20041223		Head-track alignment	360/77.12			Knowles, Vernon L. et al.	C	C	C	C	C
6	F	US 20040207943	20041021		Magnetic tape and method of manufacturing	360/48	360/39; 360/55;		Nakao, Toru et al.	C	C	C	C	C
7	F	US 20040174628	20040909		Large angle azimuth recording and head conf	360/48	360/75; 360/76;		Schwarz, Theodore A. et al.	C	C	C	C	C
8	F	US 20020097518	20020725		Track position error determination	360/77.01	360/31		Helms, Carl A.	C	C	C	C	C
9	F	US 20010043426	20011122		Integrated optical tracking system for mag	360/77.03			Smith, Archibald W.	C	C	C	C	C
10	F	US 6768606	20040727		Track position error determination	360/77.01	360/31; 360/75;		Helms, Carl A.	C	C	C	C	C
11	F	US 6724559	20040420		Magnetic tape unit	360/76	360/77.01; 360/77.12		Konishi, Hironao et al.	C	C	C	C	C
12	F	US 6563662	20030513		Integrated optical tracking system for mag	360/77.03			Smith, Archibald W.	C	C	C	C	C
13	F	US 6275349	20010814		Integrated optical tracking system for mag	360/77.03	360/75		Smith, Archibald W.	C	C	C	C	C
14	F	US 6249396	20010619		Magnetic media having partitioned and pcesatu	360/55	360/131; 360/77.06;		Gray, Martin D.	C	C	C	C	C
15	F	US 6188535	20010213		Arcuate scanning tape drive with a servo mech	360/70	360/75; 360/77.12		Lemke, James U. et al.	C	C	C	C	C
16	F	US 6108148	20000822		Method, device, and medium for recording di	360/18	360/22; 360/73.08;		Higurashi, Seiji et al.	C	C	C	C	C
17	F	US 5898534	19990427		Method and system for controlling the positio	360/77.01	360/77.06		Gray, Martin D.	C	C	C	C	C
18	F	US 5568328	19961022		Video data recording apparatus for recording	360/22	360/18; 386/112		Takahashi, Koji et al.	C	C	C	C	C
19	F	US 4319289	19820309		Movable head automatic position acquisition ci	360/77.13	360/77.16; 360/77.17;		Ravizza, Raymond F.	C	C	C	C	C

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#	1	Document ID	Issue Date	Pages	Title	Current OR	Current XR	Retrieval	Inventor	S	C	P	3	3
1	F	US 200500041317	20050224	24	Storing data to magnetic tape both to o	360/46	360/48;		Jaquette, Glen Alan.	C	F	F	F	F
2	F	US 20050030662	20050210		Tape servo information with superimposed data	360/48	360/63; 360/77.12		Bui, Nhan Xuan et al.	C	C	C	C	C
3	F	US 20050030661	20050210		Identification of laterallv. positioned se	360/48	360/75; 360/77.12		Bui, Nhan Xuan et al.	C	F	F	F	F
4	F	US 20050018349	20050127		Recording head compensation for tape s	360/129			Eaton, James Howard	F	F	F	F	F
5	F	US 20040257694	20041223		Head-track alignment	360/77.12			Knowles, Vernon L. et al.	F	F	F	F	F
6	F	US 20040207943	20041021		Magnetic tape and method of manufacturing	360/48	360/39; 360/55		Nakao, Toru et al.	F	F	F	F	F
7	F	US 20040174628	20040909		Large angle azimuth recording and head conf	360/48	360/75; 360/76		Schwarz, Theodore A. et al.	F	C	C	C	C
8	F	US 20020097518	20020725		Track position error determination	360/77.01	360/31		Helms, Carl A.	C	C	F	C	C
9	F	US 20010043426	20011122		Integrated optical tracking system for mag	360/77.03			Smith, Archibald W.	C	C	C	C	C
10	F	US 6768606 B2	20040727		Track position error determination	360/77.01	360/31; 360/75;		Helms, Carl A.	C	C	C	C	C
11	F	US 6724559 B1	20040420		Magnetic tape unit	360/76	360/77.01; 360/77.12		Konishi, Hironao et al.	C	C	C	C	C
12	F	US 6563662 B2	20030513		Integrated optical tracking system for mag	360/77.03			Smith, Archibald W.	C	C	F	C	C
13	F	US 6275349 B1	20010814		Integrated optical tracking system for mag	360/77.03	360/75		Smith, Archibald W.	F	F	F	F	F
14	F	US 6249396 B1	20010619		Magnetic media having partitioned and presatu	360/55	360/131; 360/77.06;		Gray, Martin D.	F	F	F	F	F
15	F	US 6188535 B1	20010213		Arcuate scanning tape drive with a servo mech	360/70	360/75; 360/77.12		Lemke, James U. et al.	C	F	F	F	F
16	F	US 6108148 A	20000822		Method, device, and medium for recording di	360/18	360/22; 360/73.08;		Higurashi, Seiji et al.	C	C	C	C	C
17	F	US 5898534 A	19990427		Method and system for controlling the positio	360/77.01	360/77.06		Gray, Martin D.	C	C	F	C	C
18	F	US 5568328 A	19961022		Video data recording apparatus for recording	360/22	360/18; 386/112		Takahashi, Koji et al.	C	C	C	C	C
19	F	US 4319289 A	19820309		Movable head automatic position acquisition ci	360/77.13	360/77.16; 360/77.17;		Ravizza, Raymond F.	C	C	F	C	C
20	F	US 3947875 A	19760330		Magnetic recorder test article and methods	360/39	360/25; 360/31		Bull, Frederick W. et al.	C	C	C	C	C